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May 25, 2005	211467-00246
From	Attorney Number
John S. Paniaguas	32347
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Total number of pages, including cover letter: pages  
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6 pages

**Comments**

RE: Patent Application No.: 10/727,473  
Filing Date: December 4, 2003  
Inventor: Stephen John Brosnan, et al.  
Title: Wavefront Sensor Using Hybrid Optical/Electronic Heterodyne Techniques  
Confirmation No.: 6262

Please file the attached:  
Transmittal Form (1 p.)  
Information Disclosure Statement (3 pp.)  
PTO/SB/08A (1 p.)

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PTO/SB/21 (09-04)

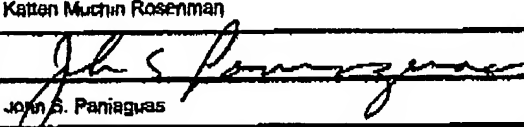
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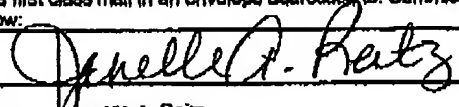
<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/727,473
	Filing Date	December 4, 2003
	First Named Inventor	Stephen John Brosnan, et al.
	Art Unit	3641
	Examiner Name	unassigned
Total Number of Pages in This Submission	Attorney Pocket Number	48-0004

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): PTO/SB/08A
Remarks		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Katten Muchin Rosenman		
Signature			
Printed name	John S. Paniaguas		
Date	5/25/05	Reg. No.	31,051

## CERTIFICATE OF TRANSMISSION/MAILING

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Signature	
Typed or printed name	Janette A. Reitz
Date	5-25-05

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/727,473

Confirmation No.: 6262

Filing Date: December 4, 2003

Inventor(s): Stephen John Brosnan, et al.

Group Art Unit: 3641

Examiner Name: Unassigned

Attorney Docket No.: 48-0004

Title: Wavefront Sensor Using Hybrid Optical/Electronic Heterodyne Techniques

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**INFORMATION DISCLOSURE STATEMENT**

This document is being filed pursuant to the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

**I. TIME OF FILING**

X This document is being filed in accordance with 37 C.F.R. § 1.97(b) as it is believed to be filed:

\_\_\_\_\_ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d);

\_\_\_\_\_ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application;

X before the mailing of a first Office action on the merits; or

\_\_\_\_\_ before the mailing of a first Office action after the filing of a request for continued examination under § 1.114.

**OR**

Application No. 10/727,473  
Page 2 of 3

\_\_\_\_\_ This document is being filed in accordance with 37 C.F.R. § 1.97(c) as it is believed to be filed before the mailing date of any of a final action under § 1.113, a notice of allowance under § 1.311, or an action that otherwise closes prosecution in the application. This Statement is accompanied by one of:

\_\_\_\_\_ the following statements; or

\_\_\_\_\_ Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

\_\_\_\_\_ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

\_\_\_\_\_ The fee set forth in § 1.17(p). Fee Transmittal Form PTO/SB/17 is attached.

**OR**

\_\_\_\_\_ This document is being filed in accordance with 37 C.F.R. § 1.97(d) as it is believed to be filed on or before the payment of the issue fee and is accompanied by one of the following statements and the fee set forth in § 1.17(p). Fee Transmittal Form PTO/SB/17 is attached.

\_\_\_\_\_ Each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

\_\_\_\_\_ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of the information disclosure statement.

Applicant(s) respectfully request that the documents listed on the attached Form PTO/SB/08A and/or Form PTO/SB/08B be considered and made of record.

**OR**

\_\_\_\_\_ It is requested that this Statement and enclosures be placed in the file. It is understood that the cited references will not be considered by the Office.

Application No. 10/727,473

Page 3 of 3

**II. FOREIGN PATENT OFFICE COMMUNICATIONS (if applicable)**

One or more of the items of information contained in the information disclosure statement were cited in a communication from a foreign patent office in a counterpart foreign application.

A copy of the search report is attached.

**III. COPIES OF CITED REFERENCES**

Because this application was filed prior to June 30, 2003, copies of the document(s) listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.

**OR**

Because this application was filed after June 30, 2003, copies of non-U.S. patent citations as listed on the attached Form(s) PTO/SB/08A and/or PTO/SB/08B are attached.

**AND (if applicable)**

All cited U.S. pending (non-published) applications listed on Form PTO/SB/08A are stored in the USPTO's IFW system. Copies are therefore not provided.

**OR**

One or more of the cited U.S. pending (non-published) applications (filed prior to June 30, 2003) as listed on Form PTO/SB/08A has not been stored in the USPTO's IFW system. Copies for the unstored applications are provided herewith.

**IV. REMARKS**

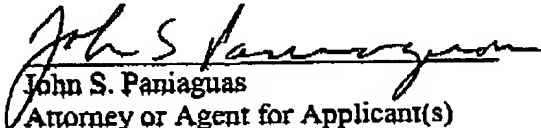
The above constitutes information that an Examiner may find material to the examination of the subject application; however, it does not negate the patentability of the subject invention. Furthermore, it is not intended that submission of this information be taken as a representation that a search has been made or that no information which is more material exists.

The Commissioner is hereby authorized to charge any fees which may be required or credit any overpayment with respect to this communication to Deposit Account No. 50-1214. A duplicate copy of this communication is enclosed.

Date:

5/25/05

By:

  
John S. Paniaguas  
Attorney or Agent for Applicant(s)  
Reg. No. 31,051

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Application Number	10/727,473
Filing Date	December 4, 2003
First Named Inventor	Stephen John Brosnan
Art Unit	3841
Examiner Name	Unassigned
Attorney Docket Number	48-0004

PAGE 6/6 \* RCVD AT 5/25/2005 3:09:17 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-1/9 \* DNIS:8729306 \* CSID:3129021061 \* DURATION (mm-ss):02-28